

## EAST Search History

| Ref # | Hits  | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|---|------------------|---------|------------------|
| L1    | 199   | (222/332).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR               | OFF     | 2008/01/08 10:43 |
| L2    | 1     | ("6135120").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR               | OFF     | 2008/01/08 11:30 |
| L3    | 401   | meter\$3 and (piston with rotat\$3 with gear) and cylinder and cam   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2008/01/08 11:32 |
| L4    | 10    | meter\$3 with (drum or turret) and (piston with rotat\$3 with gear) and cylinder and cam   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2008/01/08 11:32 |
| L7    | 14    | ("1091568"   "1524915"   "2010523"   "2653430"   "2684186"   "3578217"   "4102111"   "4437294"   "5385745").PN. OR ("6799409").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | OFF     | 2008/01/08 11:36 |
| L8    | 12    | ("2334256"   "2368429"   "3259029"   "3367245"   "4425107").PN. OR ("4870808").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | OFF     | 2008/01/08 11:38 |
| L9    | 24    | ("1545513"   "3813848"   "4052836"   "4330252").PN. OR ("4437294").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | OFF     | 2008/01/08 11:39 |
| L10   | 17    | ("3418140").URPN.  | USPAT   | OR               | OFF     | 2008/01/08 11:42 |
| L11   | 2     | ("2653430").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR               | OFF     | 2008/01/08 11:44 |
| L12   | 79528 | conti  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR               | OFF     | 2008/01/08 11:44 |

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|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| L13 | 1249 | conti.in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | OFF | 2008/01/08 11:44 |
| L14 | 297  | conti-r\$.in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | OFF | 2008/01/08 11:47 |
| L15 | 55   | conti-robert\$.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | OFF | 2008/01/08 11:47 |
| S1  | 46   | "3,418,140" "4,437,294" "4,870,<br>808" "6,135,120"  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2008/01/07 14:50 |
| S2  | 5    | ("3,418,140" "4,437,294" "4,870,<br>808" "6,135,120").pn.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2008/01/07 14:51 |
| S3  | 24   | ("1545513"   "3813848"  <br>"4052836"   "4330252").PN. OR<br>("4437294").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2008/01/07 14:58 |
| S4  | 14   | ("1091568"   "1524915"  <br>"2010523"   "2653430"   "2684186"<br>  "3578217"   "4102111"  <br>"4437294"   "5385745").PN. OR<br>("6799409").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2008/01/07 14:59 |
| S5  | 24   | ("1545513"   "3813848"  <br>"4052836"   "4330252").PN. OR<br>("4437294").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2008/01/07 15:05 |
| S6  | 19   | ("3045404"   "3218776"  <br>"3481283"   "4048785"   "4366663"<br>  "4437294"   "4571924"  <br>"4594066").PN. OR ("4747250").<br>URPN.            | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2008/01/07 15:14 |
| S7  | 2563 | (53/122,113,523,528,529,559).<br>CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | OFF | 2008/01/07 15:17 |
| S8  | 559  | (53/122,113,523,528,529,559).ccls.<br>and cam  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | OFF | 2008/01/07 15:18 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S9  | 580 | (53/122,113,523,528,529,559).ccls.<br>and cam            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2008/01/07 15:18 |
| S10 | 165 | (53/122,113,523,528,529,559).ccls.<br>and cam and hopper | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2008/01/07 15:18 |